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Country:

JP Japan

Kind:

Inventor(s):

KAWAUCHI SUSUMU **TSUJI MASAHIRO** YAMAMOTO MICHIHARU

Applicant(s):

NIPPON MINING CO LTD

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Issued/Filed Dates:

March 17, 1984 / Sept. 13, 1982

Application Number:

JP1982000158212

IPC Class:

H01L 23/48; C22C 9/00:

Abstract:

Purpose: To obtain a lead wire material having suitable characteristics, particularly excellent adhesion of plating by defining respective components of copper- nickel-zinc alloy and limiting amounts of diversified kinds of sub-components to be mixed. Constitution: An alloy consisting of nickel of 1.5W10wt%, zinc of 5W20wt%, oxygen of 0.0020wt% or less and remainder consisting of copper and inevitable impurities is used, or an alloy consisting of one or more metals in total weight of 0.001W2.0wt% selected from phosphorus of 0.001W0.1wt%, tin of 0.01W1.0wt%, iron of 0.005W1.0wt%, cobalt of 0.01W1.0wt%, chromium of 0.01W1.0wt%,

aluminum of 0.01W1.0wt%, magnesium of 0.01W1.0wt%, manganese of 0.01W1.0wt%, titanium of 0.01W1.0wt%, zirconium of

0.01W1.0wt% and beryllium of 0.01W 1.0wt% and remainder consisting of copper and inevitable impurities are used.

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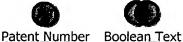
Other Abstract Info:

Foreign References:

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U.S. Class by number IBM Technical Disclosure Bulletin